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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,929	11/14/2003	Gopi Venkatesh	451194-101	4820
Mark P. Levy, Esq., Thompson Hine. LLp 2000 Courthouse Plaza NE 10 W. Second Street Dayton, OH 45402-1758			EXAMINER	
			BARHAM, BETHANY P	
			ART UNIT	PAPER NUMBER
			1615	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	02/12/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	10/713,929	VENKATESH ET AL.			
Office Action Summary	Examiner	Art Unit			
	Bethany P. Barham	1615			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mail earned patent term adjustment: See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be ti d will apply and will expire SIX (6) MONTHS fror ute, cause the application to become ABANDON	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 13 This action is FINAL. 2b) ☑ The 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	is action is non-final. cance except for formal matters, pr				
Disposition of Claims	•				
4) ☐ Claim(s) 1-11 and 24 is/are pending in the ap 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-11 and 24 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	awn from consideration.				
Application Papers					
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) according a constant may not request that any objection to the Replacement drawing sheet(s) including the correct of the second sheet of the second sh	ccepted or b) objected to by the e drawing(s) be held in abeyance. Section is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119	,				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal	Date			
Paper No(s)/Mail Date	6) Other:				

DETAILED ACTION

Receipt is acknowledged of the Applicants' Notice of Appeal filed on 1/16/2007 and After Final Amended Claims filed on 11/13/2007. Prosecution for this case is being reopened. Claims 1-11 and 24 are pending.

As a result of Applicants' amended claims and arguments, the *35 USC §102* US 4,839,177 rejections are hereby **withdrawn**.

NEW REJECTIONS:

The following is a list of new rejections:

Claim Rejections – 35 USC §102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-11 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Patel et al US 2003/0215496 A1.

Patel et al teach the limitations of claims 1-7 and 24:

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- Patel et al teaches a composition comprising muscle skeletal relaxants and cyclobenzaprine, salts, isomers and derivatives and mixtures thereof ([0036] and claim 24).
- Patel et al teaches compositions that can be provided in the form of a
 minicapsule, a capsule, tablet,....a pellet, a bead, etc [0168]. Examples 1-5
 teaches how to prepare active ingredient coated beads.
- Pharmaceutical composition and/or the solid carrier particles taught by Patel et al
 can be coated with one or more enteric coatings, seal coatings, film coatings,
 barrier coatings, etc., and that the dosage form can be designed for immediate
 release, pulsatile release, controlled release, extended release, delayed release,
 targeted release, synchronized release, or targeted delayed release [0169, col.
 - 1]. Patel et al also teaches that the dosage form release profile can be affected by a polymeric matrix composition, a coated matrix composition, a multiparticulate composition, a coated multiparticulate composition, etc [0169, col. 2].
- The extended release coatings of Patel et al are preferably pH-independent coatings formed of, for example, ethyl cellulose [0172] and delayed release enteric coatings are acrylic polymers methacrylic acid copolymers, ammonio methacrylate copolymers, the Eudragit series E, L, S, RL, RS, NE and L-30D, and ethyl cellulose ([0184-0185], Example 8).

Patel et al teach the limitations of claims 8-9:

 Patel et al teaches that the coating can and usually does contain a plasticizer such as: triethyl citrate triacetin, acetyl triethyl citrate, polyethylene glycol 400, diethyl phthalate, tributyl citrate, acetylated monoglycerides, glycerol, fatty acid esters, propylene glycol and dibutyl phthalate [0189].

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Patel et al teaches the limitations of claim 10-11:

- Patel et al teaches that various extended release dosage forms can be readily
 designed by one skilled in the art to achieve delivery to both the small and large
 intestines, to only the small intestine or to only the large intestine, depending on
 the choice of coating materials and/or coating thickness [0172].
- Extended release coatings of Patel et al also teach water soluble polymers such as hydroxypropyl cellulose, methylcellulose, hydroxymethyl cellulose, acrylic esters, etc. [0172].

Patel et al anticipates claims 1-11 and 24 of the instant application.

Claims 1-4, 6-11 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Meadows et al US 2003/0099711 A1.

Meadows et al teaches the limitations of claim 1-4, 6-7 and 24:

 Meadows et al teaches that the composition of their invention can be coated with a water-permeable diffusion barrier coating that is insoluble in gastrointestinal fluids thereby providing a controllable sustained release of drug and/or an enteric coating to formulate tailored release profiles [0001, 0009-0010, 0023]. Meadows Art Unit: 1615

et al teaches that the invention provides therapeutic levels of the drug throughout the day and a controlled release drug preparation delivers drugs in a manner that will maintain therapeutically effective plasma levels over a period of time that is significantly longer than that which is given by a typical drug dosage form [0002].

- Meadows et al teaches that cyclobenzaprine is a suitable drug for their composition ([0029], col. 2 and claim 13).
- Meadows et al teaches coating with a diffusion barrier, preferably ethyl cellulose, such as Aquacoat or Surelease [0040, 0042-0043] and/or enteric coatings to allow the active ingredients to be released once the dosage has passed into the small intestinal tract [0046]. The enteric coating include copolymers of methacrylic acid and methyl methacrylate or ethyl acrylate, terpolymers of methacrylic acid, methacrylate, and ethyl acrylate [0047].
- Meadows et al teach that it is possible to tailor the drug release properties of the pharmaceutical preparation to provide a desired bioavailability profile, such as enteric coated free drug adsorbed on an inert substrate [0062-0067]. Meadows et al found that the enteric coated particles provide release in vivo of at least one drug over a period of about 4 hours, preferably over a period of 12 hours and more preferably the formulations of the present invention release in vivo at least one drug over a period of 24 hours [0070].

Meadows et al teaches the limitations of claim 8-9:

 Plasticizers are generally used for coating containing film-formers such as ethyl cellulose [0040]. Examples of suitable plasticizers for ethyl cellulose are dibutyl Art Unit: 1615

sebacate, diethyl phthalate, triethyl citrate, tributyl citrate, triacetin, acetylated monoglycerides, phthalate esters, castor oil, etc. [0041].

Meadows et al teaches the limitations of claim 10-11:

- The optimum coat weight and thickness for barrier coating materials is taught by Meadows et al to be determined specifically for each drug-resin complex. For drug release from about 1-4 hours the coat weight is present in amount of about 10-20% by weight of the dry resin. For drug release from about 6-10 hours the coat weight is present in amount of about 30-35% by weight of the dry resin. Etc. Meadows et al teaches that the water-permeable, film-forming polymer comprises from about 1 to about 60% by weight of the drug-resin complex. For the enteric coating taught by Meadows et al it may be desirable to provide the coating directly onto the drug-resin complex or on a drug adsorbed on an inert substrate such as sugar spheres in the amounts of about 1.5- about 30%, preferably about 5- about 15% by weight of the particle being coated.
- Water-soluble substances are taught by Meadows et al as desirable to incorporate into the coating in order to alter permeability [0041]. Such substances are HPMC, HEC, methylcellulose or other cellulose polymers or mixtures of polymers [0040].

Meadows et al anticipates claims 1-4, 6-11 and 24 of the instant application.

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Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bethany P. Barham whose telephone number is 571-272-6175. The examiner can normally be reached on Monday – Friday from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward, can be reached on 571-272-8373. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

B.P. Barham Examiner-1615

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